

Figure 1: Ribozyme Motifs

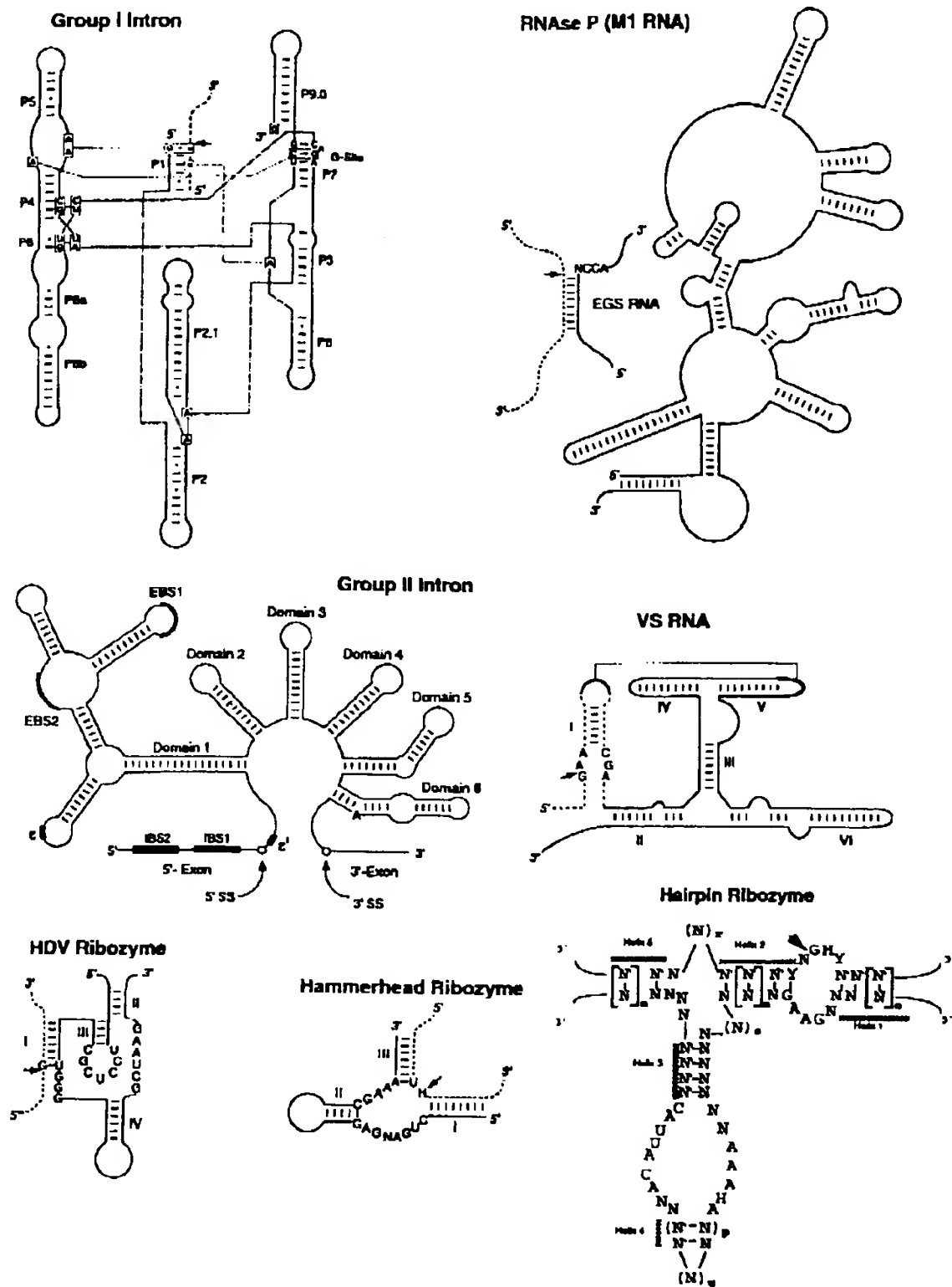


Figure 2: Examples of Nuclease Stable Ribozyme Motifs

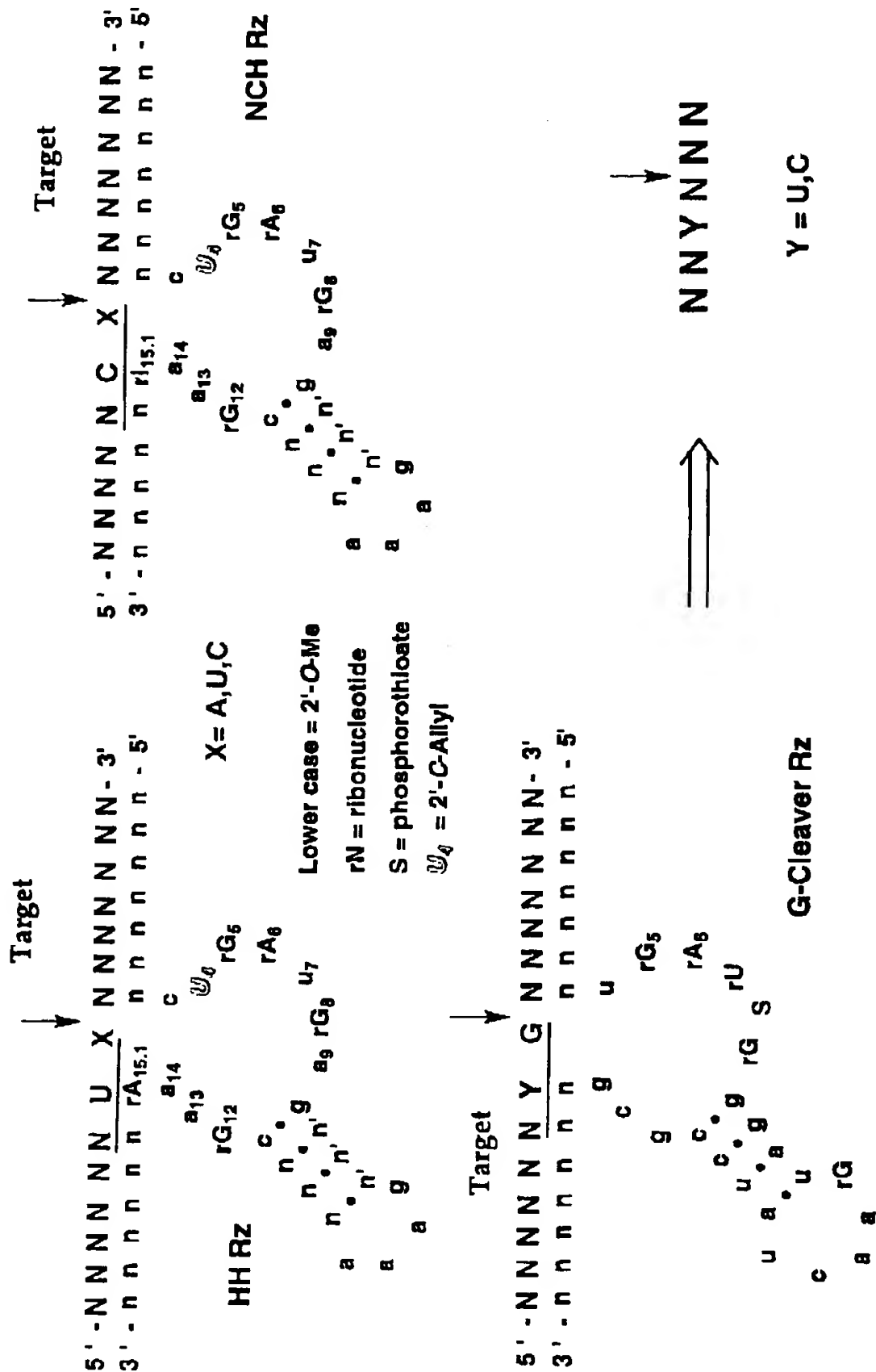


Figure 3. 2'-O-Me substituted Amberzyme Enzymatic Nucleic Acid Motif

$$U, C = 2'-NH_2-U, C$$

Lower case = 2'-O-Me

Uppercase = Ribo

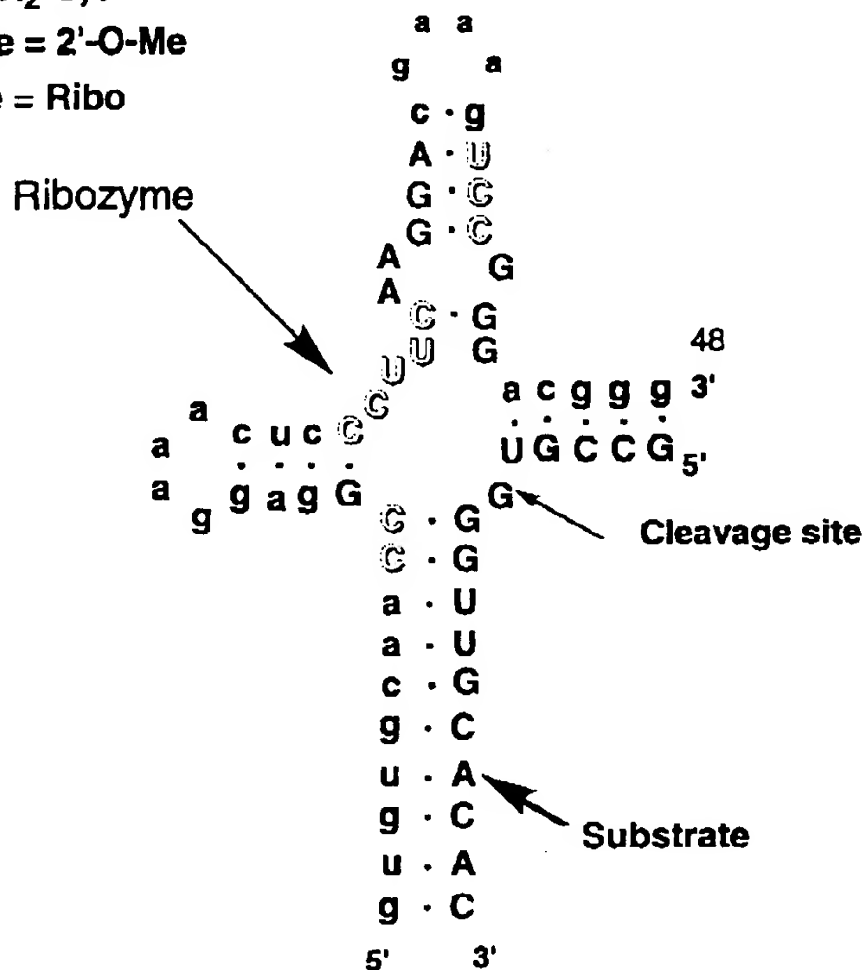
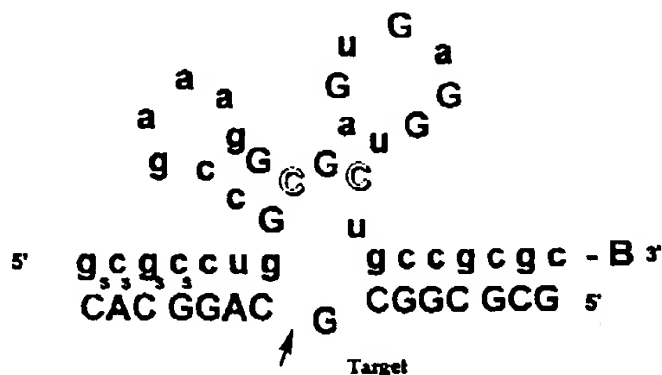


Figure 4: Zinzyme Motif

Zinzyme A-motif RZ



Legend

Uppercase Indicates natural ribo residues

⊙ Indicates 2'-d-NH₂-C

Lowercase: 2'-O- Me

Subscript ₃ Indicates phosphothioate linkage

B: 3'-3' abasic moiety

The GAAA tetraloop can be replaced by 18 atom polyethylene glycol (Spacer)
All ribo G's can be replaced with 2'-O-methyl G